

**Aspergillus parasiticus globosus****Aspergillus parasiticus globosus**See *Aspergillus sojae***Aspergillus quercinus**See *Aspergillus sclerotiorum***Aspergillus saitoi**See *Aspergillus phoenicis***Aspergillus saitoi kagoshimaensis**See *Aspergillus phoenicis***Aspergillus striatus**See *Emicella striata***Aspergillus toxicarius**See *Aspergillus sojae***Aspergillus unguis**See *Emicella unguis***Aspergillus usarii**See *Aspergillus awamori***Aspergillus usarii shiro-usamii**See *Aspergillus awamori***Aspergillus violaceo-fuscus**See *Aspergillus japonicus***Aspergillus vitricola**See *Aspergillus penicillioideus***Aspergillus vitricolae**See *Aspergillus penicillioideus***Aspergin**

See Benzaldehyde, 2-(1-heptenyl)-3,6-dihydroxy-5-(3-methyl-2-butenyl)- [33514-92-0]

**Asperglauclide**See Benzenepropanamide, N-(1S)-1-(acetyloxy)methyl-2-phenylethyl- $\alpha$ -(benzoylamino)-, (aS)- [56121-42-7]**Asperillin**

See Naphtho[2,3-b]furan-2(3H)-one, decahydro-8-hydroxy-8a-methyl-3,5-bis(methylene)-, (3aR,4aS,8R,8aR,9aR)- [7044-35-1]

**Asperin**See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,25R)-spirost-5-en-3-yl O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)-O-(O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 4)-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 4))- [50773-42-7]**Asperinin A**

See 1,9'-Bianthrane-1',4',5(6H)-trione, 7,8-dihydro-2,7,7',10,10'-pentahydroxy-4,5'-dimethoxy-2',7'-dimethyl-, (1S,7S)- [121263-81-8]

**Asperinin B**

See 1,9'-Bianthrane-1',4',5(6H)-trione, 7,8-dihydro-2,7,7',10,10'-pentahydroxy-4,5'-dimethoxy-2',7'-dimethyl-, (1R,7S)- [121313-74-4]

**Asperketal A**

See Cyclodeca[b]furan-2-ol, 2,3,3a,4,5,8,9,11a-octahydro-3,6,10-trimethyl-2-(3-methyl-2-butenyl)-, (2R,3R,3aS,3aS,6E,10E,11aR)-rel- [114763-50-7]

**Asperketal B**

See Spiro[cyclodeca[b]furan-2(3H):2'(5'H)-furan], 3a,4,5,8,9,11a-octahydro-3,5',5',6,10-pentamethyl-, (2R,3R,3aR,6E,10E,11aR)-rel- [114763-51-8]

**Asperketal C**

See Cyclodeca[b]furan, 2,3,3a,4,5,8,9,11a-octahydro-3,6,10-trimethyl-2-(3-methyl-2-butenyl)-, (2R,3R,3aS,3aS,6E,10E,11aR)-rel- [114763-52-9]

**Asperketal D**

See Spiro[cyclodeca[b]furan-2(3H):2'(3'H)-furan], 3a,4,4',5,5',8,9,11a-octahydro-3,5',5',6,10-pentamethyl-, (2R,3R,3aR,6E,10E,11aR)-rel- [114763-53-0]

**Asperketal E**

See Spiro[cyclodeca[b]furan-2(3H):2'(3'H)-furan], 3a,4,4',5,5',8,9,11a-octahydro-3,5',5',6,10-pentamethyl-, (2R,3S,3aS,3aS,6E,10E,11aS)-rel- [114818-67-6]

**Asperketal F**

See Spiro[benzofuran-2(3H):2'(3'H)-furan], 6-ethenyl-octahydro-3,5',5',6-tetramethyl-7-(1-methylethenyl)- [114763-54-1]

**Asperkinase**See Proteinase, *Aspergillus oryzae* fibrinolytic [9000-99-1]**Asperlactone**

See 2(5H)-Furanone, 5-(1S)-1-hydroxyethyl-3-[(2S,3S)-3-methyl-oxiranyl]-, (5R)- [76375-62-7]

**Asperlicin**

See Quinazolinol[3,2-a]1,4-benzodiazepine-5,13-dione, 6,7-dihydro-7-[(2S,9S,9aR)-2,3,9,9a-tetrahydro-9-hydroxy-2-(2-methylpropyl)-3-oxo-1H-imidazol-1,2-a-indol-9-yl]methyl-, (7S)- [93413-04-8]

**Asperlicin B**

See Quinazolinol[3,2-a]1,4-benzodiazepine-5,13-dione, 6,7-dihydro-7-[(2S,9S,9aR)-2,3,9,9a-tetrahydro-1,9-dihydroxy-2-(2-methylpropyl)-3-oxo-1H-imidazol-1,2-a-indol-9-yl]methyl-, (7S)- [93413-08-2]

**Asperlicin C**

See Quinazolinol[3,2-a]1,4-benzodiazepine-5,13-dione, 6,7-dihydro-7-(1H-indol-3-ylmethyl)-, (7S)- [93413-06-0]

**Asperlicin D**

See Quinazolinol[3,2-d]1,4-benzodiazepine-6,9(5H,7H)-dione, 7-(1H-indol-3-ylmethyl)-, (7S)- [93413-07-1]

**Asperlicin E**

See 11H-Indolol[3',2':4,5]pyrrolol[2,1-c]quinazolinol[3,2-a]1,4-benzodiazepine-5,11(12aH)-dione, 13,17b,18a-tetrahydro-17b-hydroxy-, (12aR,17bS,18aS)- [93413-05-9]

**Asperlin**See D-galacto-Oct-2-enonic acid, 6,7-anhydro-2,3,8-tridecay-,  $\delta$ -lactone, 4-acetate [30387-51-0]**Asperlinol**See L-altro-Oct-2-enonic acid, 2,3,8-tridecay-,  $\delta$ -lactone, 4-acetate [69086-67-5]**Aspermutarubol**

See 1,2-Benzenediol, 3,3'-oxybis[5-methyl-

[68027-81-6]

**Aspernomine**

See 6H-7,12b-Methanobenz[b]naphth[2,1-d]azocin-6-one, 1,2,3,4,4a,4b,5,7,8,13,14,14a-dodecahydro-4-hydroxy-1,14a-dimethyl-4a-(4-methyl-3-pentenyl)-, (1R,4S,4aS,4bR,7S,12bR,14aS)-rel-(+)- [138605-80-8]

**Asperopterin A**See 4,7(1H,8H)-Pteridinedione, 2-amino-8-methyl-6-[( $\beta$ -D-ribofuranosyloxy)methyl]- [35888-42-7]**Asperopterin B**

See 4,7(1H,8H)-Pteridinedione, 2-amino-6-(hydroxymethyl)-8-methyl- [20041-66-1]

**Asperopteroicarpin**

See 6H-Benzofuro[3,2-c]1-benzopyran-9-ol, 6a,11a-dihydro-1-methoxy-3-[(3-methyl-2-butenyloxy)-, (6aR,11aR)- [217483-73-3]

**Asperosaponin F**See Oleon-12-en-28-oic acid, 3-(O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 3)-O-(O-6-deoxy- $\alpha$ -L-xylopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4))-O- $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 3)-O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)- $\alpha$ -L-arabinopyranosyloxy]-23-hydroxy-, (3 $\beta$ ,4 $\omega$ )- [159993-46-1]**Asperosaponin H<sub>1</sub>**See Oleon-12-en-28-oic acid, 3-(O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 3)-O-(O-6-deoxy- $\alpha$ -L-xylopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4))-O- $\beta$ -D-galactopyranosyl-(1 $\rightarrow$ 3)-O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)- $\alpha$ -L-arabinopyranosyloxy]-23-hydroxy-, 6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-glucopyranosyl ester, (3 $\beta$ ,4 $\omega$ )- [159993-47-2]**Asperoside**See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,22a,25R)-26-( $\beta$ -D-glucopyranosyloxy)-22-hydroxyfurost-5-en-3-yl O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 2)-O-(O-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 4)-6-deoxy- $\alpha$ -L-mannopyranosyl-(1 $\rightarrow$ 4))- [53093-47-3]**Asperparaline A**

See Spiro[5H,6H-5a,9a-(iminomethano)-1H-cyclopent[1indolizine-7(8H),3'-pyrrolidine]-2',5',10-trione, tetrahydro-1',1',8,8,11-pentamethyl-, (1R,3'R,5aR,8aR,9aS)-rel-(+)- [195966-93-9]

**Asperpentyn**

See 7-Oxabicyclo[4.1.0]hept-3-ene-2,5-diol, 3-(3-methyl-3-buten-1-ynyl)-, (1R,2S,5R,6S)-rel-(+)- [119483-44-2]

**Asperphenamate**

See L-Phenylalanine, N-benzoyl-, (2S)-2-(benzoylamino)-3-phenylpropyl ester [63631-36-7]

**Asperubrol**

See 2,4,6,8,10,12-Tridecahexaenoic acid, 3-hydroxy-2,12-dimethyl-13-phenyl-, methyl ester, (2Z,4E,6E,8E,10E,12E)- [31635-03-7]

**Aspersitin**

See 2,4-Cyclohexadien-1-one, 5-amino-6-hydroxy-3-methoxy-2,6-dimethyl-4-(2S)-2-methyl-1-oxobutyl-, (6R)- [86996-89-6]

**Aspertetronin A**

See 3(2H)-Furanone, 2-(1E,3E)-1,3-hexadienyl-5-methoxy-2-methyl-4-(2E)-1-oxo-2-butenyl-, (+)- [21494-09-7]

**Aspertetronin B**

See 3(2H)-Furanone, 2-(1,3-hexadienyl)-4-(3-hydroxy-1-oxobutyl)-5-methoxy-2-methyl- [21494-10-0]

**Asperthecin**

See 9,10-Anthracenedione, 1,2,5,6,8-pentahydroxy-3-(hydroxymethyl)- [10089-00-6]

**Aspertoxin**

See 7H-Furo[3',2':4,5]furo[2,3-c]xanthene-7-one, 3a,12c-dihydro-12c-hydroxy-6,8-dimethoxy- [20797-80-2]

**Asperugin**

See 1,2-Benzenedicarboxaldehyde, 3-hydroxy-5-methoxy-4-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrienylloxy]- [2102-72-9]

**Asperugin B**

See 1,2-Benzenedicarboxaldehyde, 3,5-dihydroxy-4-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrienylloxy]- [14522-05-5]

**Asperugin C**

See Benzaldehyde, 4,6-dihydroxy-2-methyl-3-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrienylloxy]- [33514-96-4]

**Asperula azurea**See *Asperula orientalis***Asperula odorata**See *Galium odoratum***Asperuloside**See 1H-2,6-Dioxacyclopent[cd]inden-1-one, 4-(acetyloxy)methyl]-5-( $\beta$ -D-glucopyranosyloxy)-2a,4a,5,7b-tetrahydro-, (2aS,4aS,5S,7bS)- [14259-45-1]**Asperulosidic acid**See Cyclopent[cd]pyran-4-carboxylic acid, 7-(acetyloxy)methyl]-1-( $\beta$ -D-glucopyranosyloxy)-1,4a,5,7a-tetrahydro-5-hydroxy-, (1S,4aS,5S,7aS)- [25368-11-0]**Asperumine**

See 2-Butenoic acid, 2-methyl-, 7-[(2,3-dihydroxy-2-(1-hydroxyethyl)-3-methyl-1-oxobutoxy)methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester [32779-96-7]

**Asperuminic acid**

See Butanoic acid, 2,3-dihydroxy-2-(1-hydroxyethyl)-3-methyl- [54324-52-6]

**Asperyllone**

See 4,6,8,10,12-Tridecapentaen-3-one, 7-methyl-13-phenyl- [16964-44-6]

**Asphalt**

See also related:

Asphalt concrete

Binders

Cement (construction material)

Native asphalts

Paving materials

**Asphalt binder**

Valid heading during volumes 126-130 (1997-June 1999) only

See Asphalt, binder

**Asphalt concrete**

See also related:

Asphalt

Bitumens

Concrete

Paving materials

**Asphaltenes**

See also narrower:

Carbenes (bitumen components)

Malthenes

**Asphaltites**

See also narrower: Gilsomite

**Asphen**

See Benzoic acid, 2-(acetyloxy)-, mixt. with N-(4-ethoxyphenyl)acetamide [8073-74-3]

**Asphodelin**

See 1,2'-Bianthrane-9,9',10,10'-tetrone, 1',4,5,8'-tetrahydro-2,6'-dimethyl- [51419-55-7]

**Asphodelus albus**See *Asphodelus delphinensis***Asphodelus tenuifolius**See *Asphodelus fistulosus***Asphyxia**

See also related:

Apnea

Hypoxia, animal

**Aspicillin**

See Oxacyclooctadec-3-en-2-one, 5,6,7-trihydroxy-18-methyl-, (3E,5R,6S,7R,18S)- [52461-05-9]

**Aspiculamycin**See  $\beta$ -D-Glucopyranuronamide, 1-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,4-dideoxy-4-[(N-methylglycyl)-D-serylamino]- [2096-42-6]**Aspidin**

See 2,5-Cyclohexadien-1-one, 2-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)- [584-28-1]

**p-Aspidin**

See 2,5-Cyclohexadien-1-one, 2-[(2,4-dihydroxy-6-methoxy-5-methyl-3-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)- [989-64-8]

**Aspidin AA**

See 2,5-Cyclohexadien-1-one, 2-acetyl-6-[(3-acetyl-2,6-dihydroxy-4-methoxy-5-methyl-phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl- [53526-70-8]

**p-Aspidin AB**

See 2,5-Cyclohexadien-1-one, 2-acetyl-6-[(2,4-dihydroxy-6-methoxy-5-methyl-3-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl- [78887-44-2]

**Aspidin AB**

See 2,5-Cyclohexadien-1-one, 2-acetyl-6-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl- [19489-46-4]

**para-Aspidin BB**

See 2,5-Cyclohexadien-1-one, 2-[(2,4-dihydroxy-6-methoxy-5-methyl-3-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)- [989-64-8]

**Aspidin BB**

See 2,5-Cyclohexadien-1-one, 2-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)- [584-28-1]

**Aspidinol**

See 1-Butanone, 1-(2,6-dihydroxy-4-methoxy-3-methylphenyl)- [519-40-4]

**Aspidinol B**

See 1-Butanone, 1-(2,6-dihydroxy-4-methoxy-3-methylphenyl)- [519-40-4]

**Aspidinol P**

See 1-Propanone, 1-(2,6-dihydroxy-4-methoxy-3-methylphenyl)- [57765-53-4]

**Aspidinol V**

See 1-Pentanone, 1-(2,6-dihydroxy-4-methoxy-3-methylphenyl)- [57765-52-3]

**Aspidin PB**

See 2,5-Cyclohexadien-1-one, 2-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxopropyl)- [199468-66-1]

**Aspidin PP**

See 2,5-Cyclohexadien-1-one, 2-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxopropyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxopropyl)- [190663-82-2]

**Aspidin VV**

See 2,5-Cyclohexadien-1-one, 2-[(2,6-dihydroxy-4-methoxy-3-methyl-5-(1-oxobutyl)phenyl)methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)- [584-28-1]

**Aspidiotus californicus**See *Nuculaspis californica***Aspidiotus hederæ**

Oleander scale is also indexed at this heading

**Aspidiotus perniciosus**See *Quadraspidotus perniciosus***Aspidistrin**See  $\beta$ -D-Galactopyranoside, (3 $\beta$ ,25R)-spirost-5-en-3-yl O- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 2)-O- $\beta$ -D-xylopyranosyl-(1 $\rightarrow$ 3))-O- $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4)- [19108-08-8]**Aspidium aculeatum**See *Polystichum aculeatum*</